

**Table 10. 2007-2008 Fusarium head scab evaluation of variety test entries at Urbana.**

**Varieties with greater head scab resistance have lower rating or index numbers.**

Company	Entry Name	2008						2007						
		Incidence	Severity	Kernel Rating	FHB Index	ISK Index	Winter Survival	Incidence	Severity	Kernel Rating	FHB Index	ISK Index	Winter Survival	DON
		(%)	(%)	(%) FDK	(0-100)	(0-100)	(%)	(%)	(%)	(%) FDK	(0-100)	(0-100)	(%)	(ppm)
AgriPro COKER	Branson	98.3	62.9	57	61.9	71.0	63.3	50.0	49.3	30	26.4	41.8	70.0	1.4
AgriPro COKER	Cooper	96.7	56.7	80	55.1	78.0	100.0	95.0	68.8	63	65.1	74.4	98.3	2.2
AgriPro COKER	W1377	95.0	56.2	43	52.6	62.7	100.0	--	--	--	--	--	--	--
Beck's Hybrids	Beck 117	86.7	60.5	37	52.7	58.8	85.0	--	--	--	--	--	--	--
Beck's Hybrids	Beck 122	96.7	84.1	57	81.2	76.9	100.0	--	--	--	--	--	--	--
Beck's Hybrids	Beck 164	95.0	75.5	75	71.7	81.1	100.0	--	--	--	--	--	--	--
Brown Seed Enterprises	Arise 766	85.0	49.6	30	43.5	52.4	93.3	--	--	--	--	--	--	--
Brown Seed Enterprises	Arise 817	100.0	51.7	70	51.7	73.5	66.7	--	--	--	--	--	--	--
Brown Seed Enterprises	Arise 857	98.3	84.1	83	82.4	88.1	100.0	--	--	--	--	--	--	--
Brown Seed Enterprises	Arise 887	96.7	66.9	60	64.5	73.0	53.3	--	--	--	--	--	--	--
CPS-Vigoro Seeds	Vigoro 9710	95.0	35.3	37	33.6	53.8	100.0	--	--	--	--	--	--	--
CPS-Vigoro Seeds	Vigoro 9723	88.3	59.8	50	53.4	64.4	100.0	--	--	--	--	--	--	--
CPS-Vigoro Seeds	Vigoro 9812	95.0	78.3	67	74.4	78.7	93.3	--	--	--	--	--	--	--
DeRaedt Seed	DeRaedt 07	88.3	57.8	50	50.0	63.8	85.0	--	--	--	--	--	--	--
DeRaedt Seed	DeRaedt 88	95.0	57.4	43	55.2	63.0	30.0	--	--	--	--	--	--	--
Diener Seeds, Inc.	Diener 496	98.3	80.6	77	79.1	84.3	70.0	--	--	--	--	--	--	--
Diener Seeds, Inc.	Diener 502	95.0	72.6	57	69.0	73.0	100.0	--	--	--	--	--	--	--
Diener Seeds, Inc.	Diener 511	90.0	42.4	60	38.3	63.7	100.0	--	--	--	--	--	--	--
Excel Brand Seed	Excel 173	98.3	39.0	35	38.1	55.2	25.0	--	--	20	--	--	8.7	1.2
Excel Brand Seed	EXCEL 180	76.7	35.2	30	28.4	45.6	100.0	--	--	--	--	--	--	--
Excel Brand Seed	EXCEL 209	75.0	31.1	27	23.4	42.5	100.0	--	--	--	--	--	--	--
Excel Brand Seed	EXCEL 264	96.7	49.3	70	47.7	71.8	80.0	--	--	--	--	--	--	--
Excel Brand Seed	Excel 343	91.7	39.7	50	36.2	59.4	36.7	53.3	46.1	17	25.3	36.5	86.7	1.0
Excel Brand Seed	EXCEL 352 TW	80.0	61.1	50	49.0	62.3	100.0	--	--	--	--	--	--	--
Excel Brand Seed	EXCEL 357	91.7	38.8	33	35.4	52.5	100.0	--	--	--	--	--	--	--
Excel Brand Seed	EXCEL 367	86.7	37.4	37	33.4	51.9	100.0	--	--	--	--	--	--	--
Excel Brand Seed	Excel 392 TW	100.0	82.7	63	82.7	80.2	80.0	46.7	62.9	27	31.7	43.5	80.0	0.9
Excel Brand Seed	Excel 410 tw	86.7	50.5	37	44.3	55.8	51.7	50.0	58.2	18	29.6	39.8	100.0	0.6
Excel Brand Seed	Excel 423	98.3	76.1	67	74.9	79.0	61.7	90.0	45.3	43	41.6	57.9	36.7	1.1
Excel Brand Seed	Excel 442	91.7	49.6	27	45.3	53.1	100.0	50.0	60.5	20	29.3	41.1	100.0	3.4
GROWMARK	FS 618	96.7	48.4	43	47.2	60.9	51.7	60.0	66.3	27	40.3	48.6	71.7	0.8
GROWMARK	FS 628	98.3	68.9	70	67.6	78.2	93.3	70.0	56.9	57	38.9	60.7	75.0	2.0
GROWMARK	W08-01	98.3	78.3	73	77.2	82.3	100.0	--	--	--	--	--	--	--
Kitchen Seed Company	KSC 408W	93.3	77.5	37	72.4	65.9	100.0	--	--	--	--	--	--	--
Lewis Hybrids	Lewis 830	91.7	68.0	70	63.8	75.9	100.0	--	--	--	--	--	--	--
Lewis Hybrids	Lewis 841	96.7	81.9	73	79.3	82.9	100.0	--	--	--	--	--	--	--
Lewis Hybrids	Lewis 858	98.3	88.3	67	86.9	82.6	91.7	--	--	--	--	--	--	--
MWS Seed	MWS 135	86.7	68.0	70	59.3	74.4	100.0	--	--	--	--	--	--	--
Pioneer Hi-Bred Int'l	Pio 25R47	96.7	48.1	73	47.3	72.8	100.0	63.3	46.4	60	29.3	56.9	100.0	3.2
Pioneer Hi-Bred Int'l	Pio 25R54	98.3	66.1	50	64.6	69.3	80.0	56.7	35.2	27	20.1	38.2	43.3	4.2
Pioneer Hi-Bred Int'l	Pio 25R56	81.7	72.1	47	58.6	64.8	100.0	23.3	39.1	33	9.6	32.1	100.0	3.8
Pioneer Hi-Bred Int'l	Pio 25R62	96.7	67.9	43	65.5	66.7	100.0	--	--	--	--	--	--	--
Public	Bess	90.0	31.9	37	28.2	51.2	43.3	70.0	46.3	28	32.4	45.9	20.0	2.2
Public	Ernie	91.7	43.8	23	40.0	50.0	30.0	90.0	54.8	33	49.3	57.4	20.0	3.0
Public	Kaskaskia	98.3	63.9	50	63.0	68.7	100.0	36.7	36.9	33	13.5	35.4	100.0	1.9
Public	McCormick	93.3	53.6	33	48.9	57.4	60.0	92.5	59.4	50	55.2	65.6	18.3	3.0
Public	Patterson	88.3	64.1	43	57.4	63.1	100.0	50.0	60.0	30	34.0	45.0	100.0	1.5
Public	Roane	90.0	34.1	40	30.2	53.2	76.7	63.3	41.6	17	28.6	38.2	95.0	1.5
Public	Sisson	100.0	52.8	73	52.8	75.2	48.3	86.7	64.0	50	55.4	65.2	70.0	4.6
Public	Truman	95.0	22.2	38	21.1	50.2	20.0	40.0	17.3	13	7.0	19.2	50.0	1.3
University of Illinois	94-1653	91.7	54.6	37	49.6	58.5	86.7	63.3	60.5	40	38.2	53.2	100.0	2.0
UAP Distribution	Dyna-Gro 404	93.3	77.3	70	72.2	79.2	100.0	--	--	--	--	--	--	--
UAP Distribution	Dyna-Gro 459	88.3	62.5	30	56.0	57.2	100.0	--	--	--	--	--	--	--
Wilkin Seed Grains	Wilken W 103	85.0	54.8	67	47.2	68.6	100.0	--	--	--	--	--	--	--
Wilkin Seed Grains	Wilken W 110	88.3	61.3	43	55.1	62.2	63.3	--	--	--	--	--	--	--
Wilkin Seed Grains	Wilken W 124	93.3	38.5	33	36.0	52.9	93.3	--	--	--	--	--	--	--
Wilkin Seed Grains	Wilken W 135	88.3	52.6	37	46.8	56.9	76.7	--	--	--	--	--	--	--
Wilkin Seed Grains	Wilken W 161	83.3	51.1	38	42.6	55.7	100.0	--	--	--	--	--	--	--
Test Average		91.5	57.5	50.1	53.2	64.8	82.9	61.3	52.4	33.2	34.0	47.0	68.8	2.3
LSD (0.05)		12.5	23.4	16.5	23.5	12.2	25.5	29.1	21.3	18.0	22.9	15.9	24.2	1.4

Data are from Dr. Fred Kolb's wheat breeding program, and include some of the varieties entered into the wheat variety trial.

The test nursery was inoculated and mist irrigated. Three replications were evaluated.

Incidence = the percent of heads in a row with symptoms.

Kernel rating = the percent of shriveled seed.

**Varieties with greater resistance have lower numbers.**

Severity = the percent of spikelets in a head with symptoms.

FHB Index = incidence x severity/100.

ISK Index combines incidence, severity, and the % shriveled seed.

DON (2007 only) is the amount of vomitoxin (low is good).